DoD/VA Information Management/Information Technology Update

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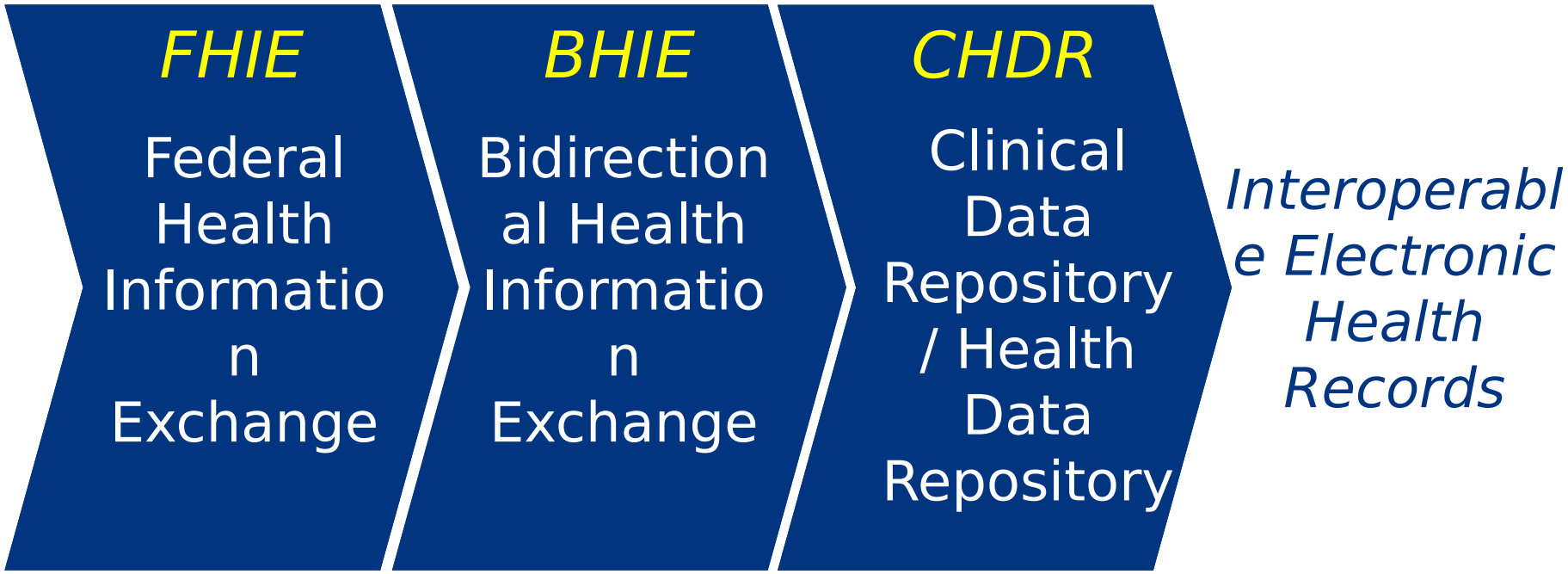
2007 Joint Venture Conference

March 7, 2007

Topics

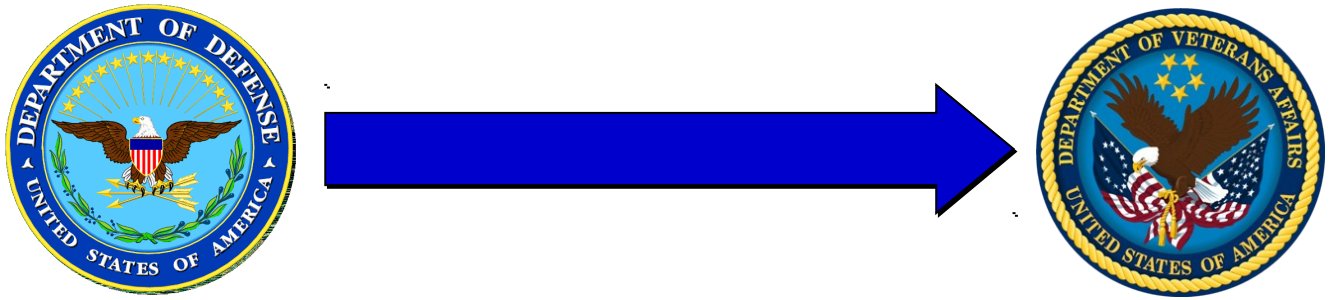
- Federal Health Information Exchange (FHIE)
- Deployment Health Assessments
- Bidirectional Health Information Exchange (BHIE)
- Clinical Data Repository/Health Data Repository (CHDR)
- Laboratory Data Sharing Initiative (LDSI)
- Joint Inpatient Collaboration

Path to Interoperability



Federal Health Information Exchange (FHIE)

Supports monthly, 1-time transfer of electronic health information from DoD to VA at the point of a Service member's separation



One-way, enterprise exchange of text data

FHIE Statistics

- 3.7 million patients
- 51.8 million lab results
- 8.6 million radiology reports
- 52.2 million pharmacy records
- 52.2 million standard ambulatory data records
- 1.6 million consultation reports
- Over 2.2 million separated Service members have presented to the VA

As of January 31, 2006

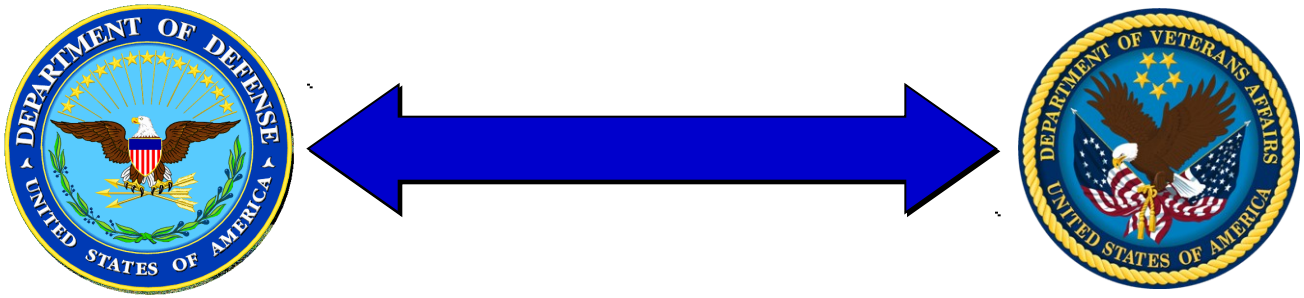
Deployment Health Assessments

- Enables VA healthcare providers to access Pre- and Post-Deployment Health Assessments (PPHDAs) and Post-Deployment Health Reassessments (PDHRAs) on separated Service members and demobilized Reserve and National Guard members
  - 1.5 million forms on 640,000 individuals
  - PPHDAs and PDHRAs transmitted monthly
  - PDHRAs transmitted weekly for individuals referred to VA for care or evaluation

As of January 31, 2007

Bidirectional Health Information Exchange (BHIE)

Enables real-time sharing of electronic health information between DoD and VA for shared patients



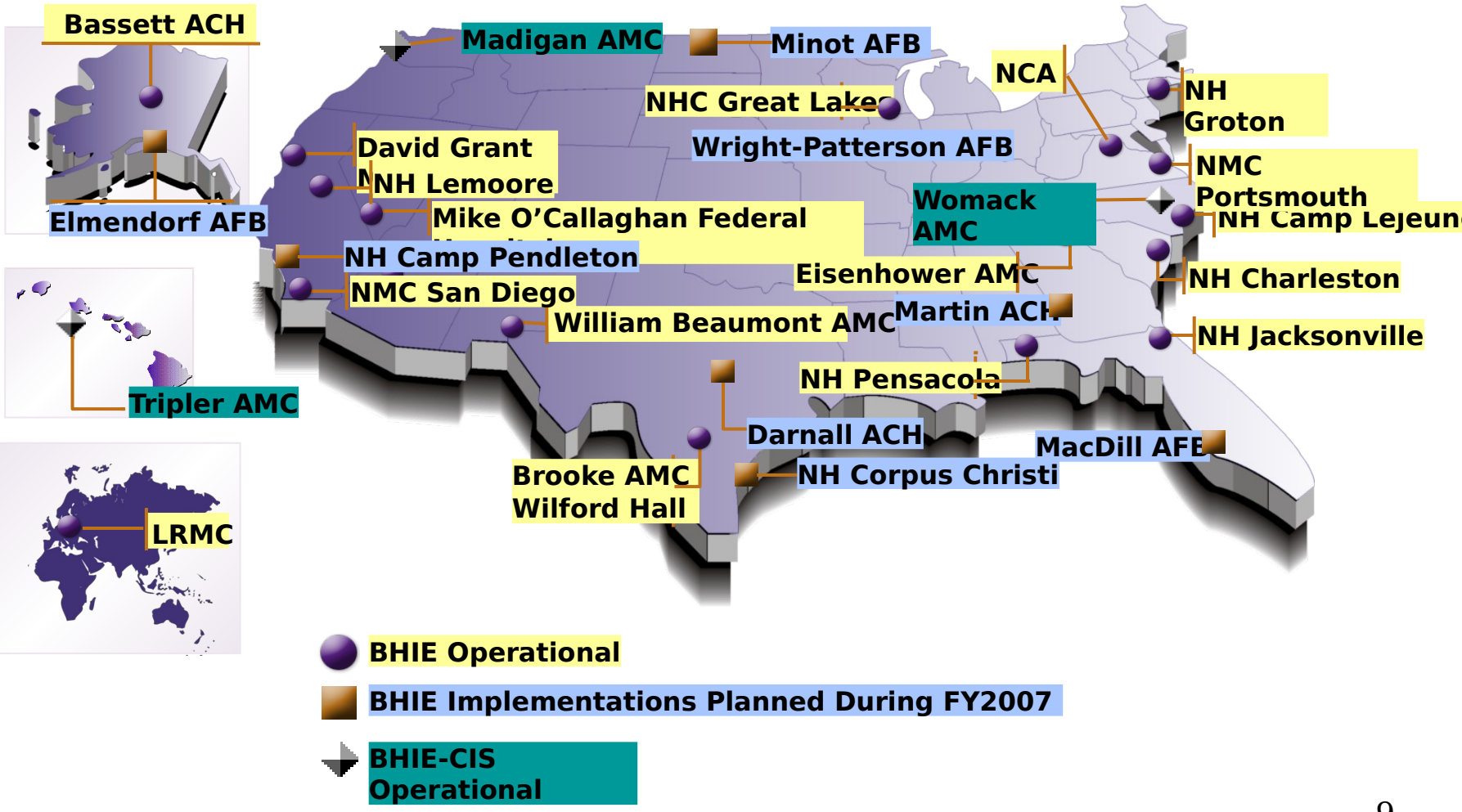
Two-way, DoD BHIE sites and all of VA exchange of text data

BHIE Statistics

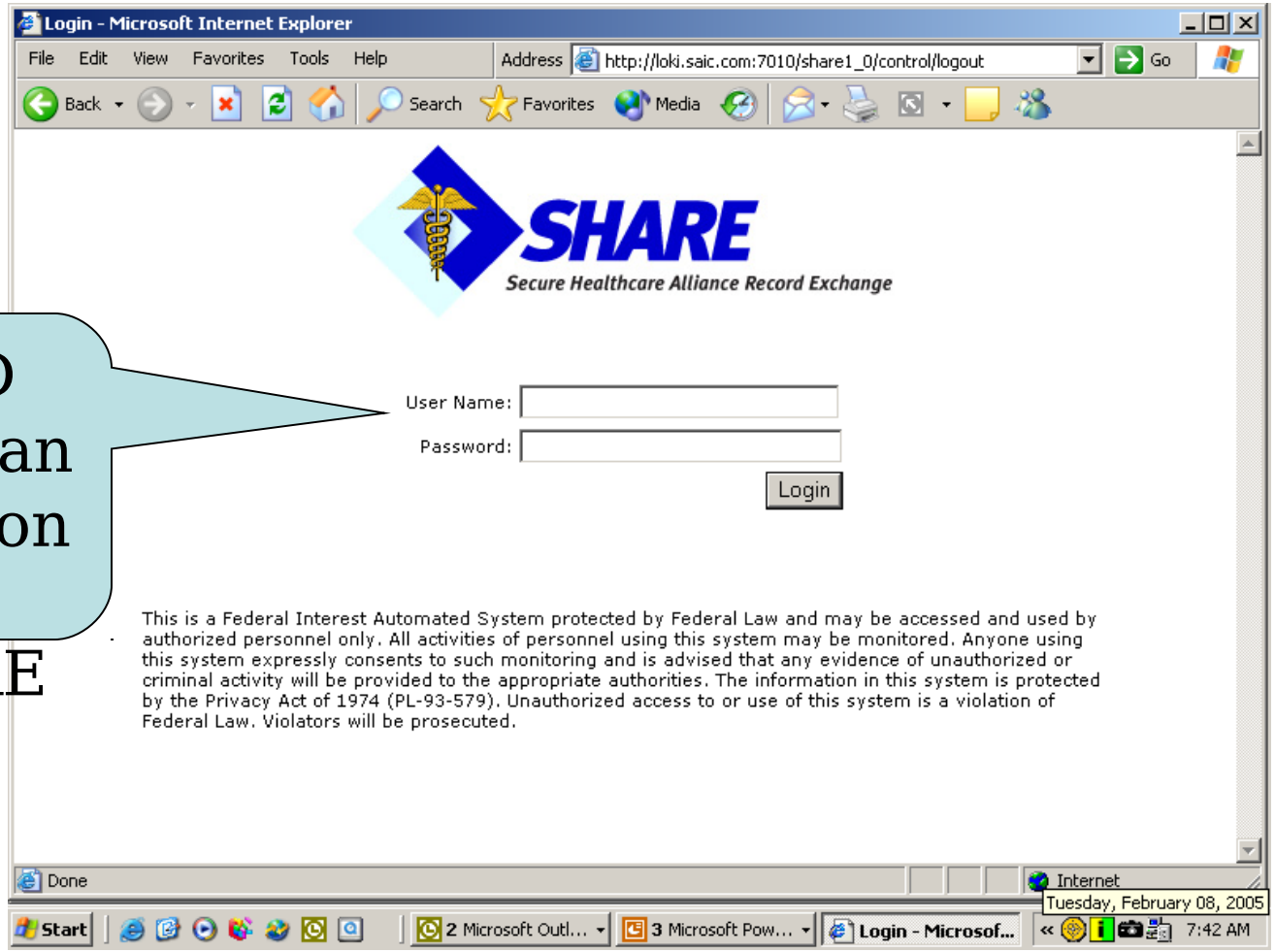
- Real-time exchange of readable data
  - Patients treated in both DoD and VA
  - Data includes allergies, outpatient pharmacy, demographics, lab results, and radiology reports
- Operational at…
  - All VA sites
  - 14 DoD medical centers
  - 17 DoD hospitals
  - More than 170 DoD outlying clinics
- Over 9,900 weekly FHIE/BHIE queries (1st Qtr FY 2007)

As of January 31, 2006

BHIE Operational Sites

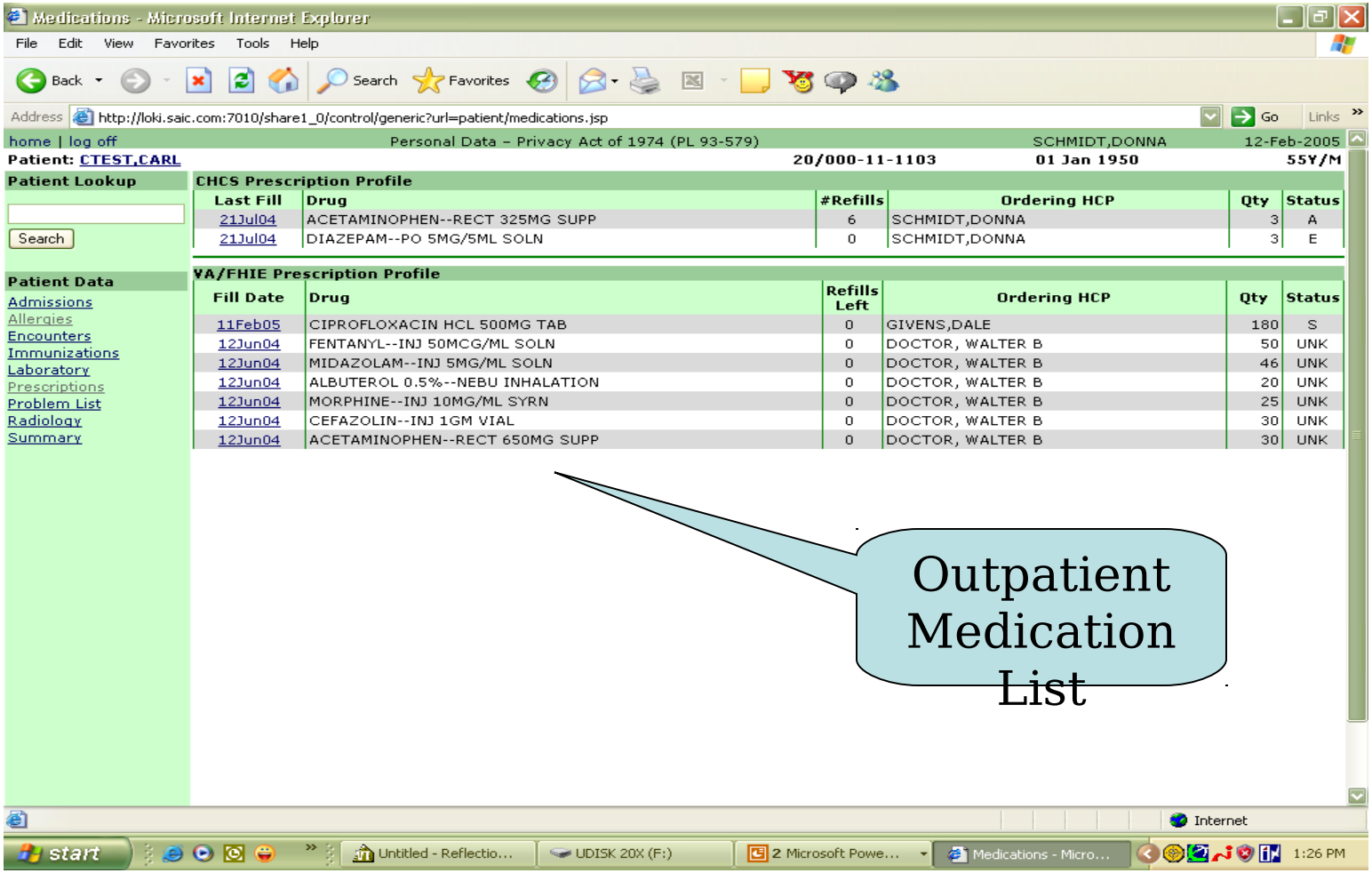


BHIE – DoD View

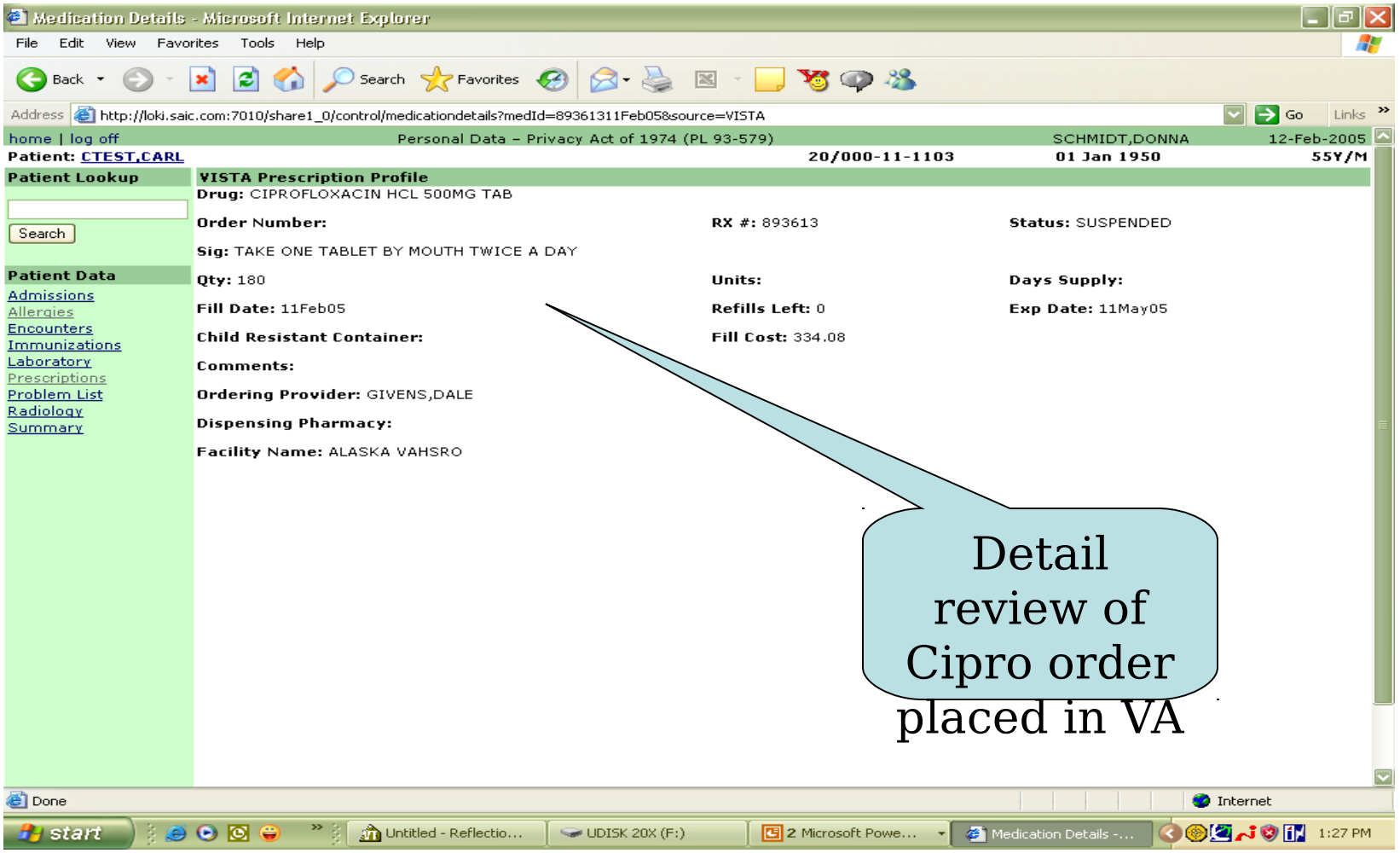


DOD clinician signs on to SHARE

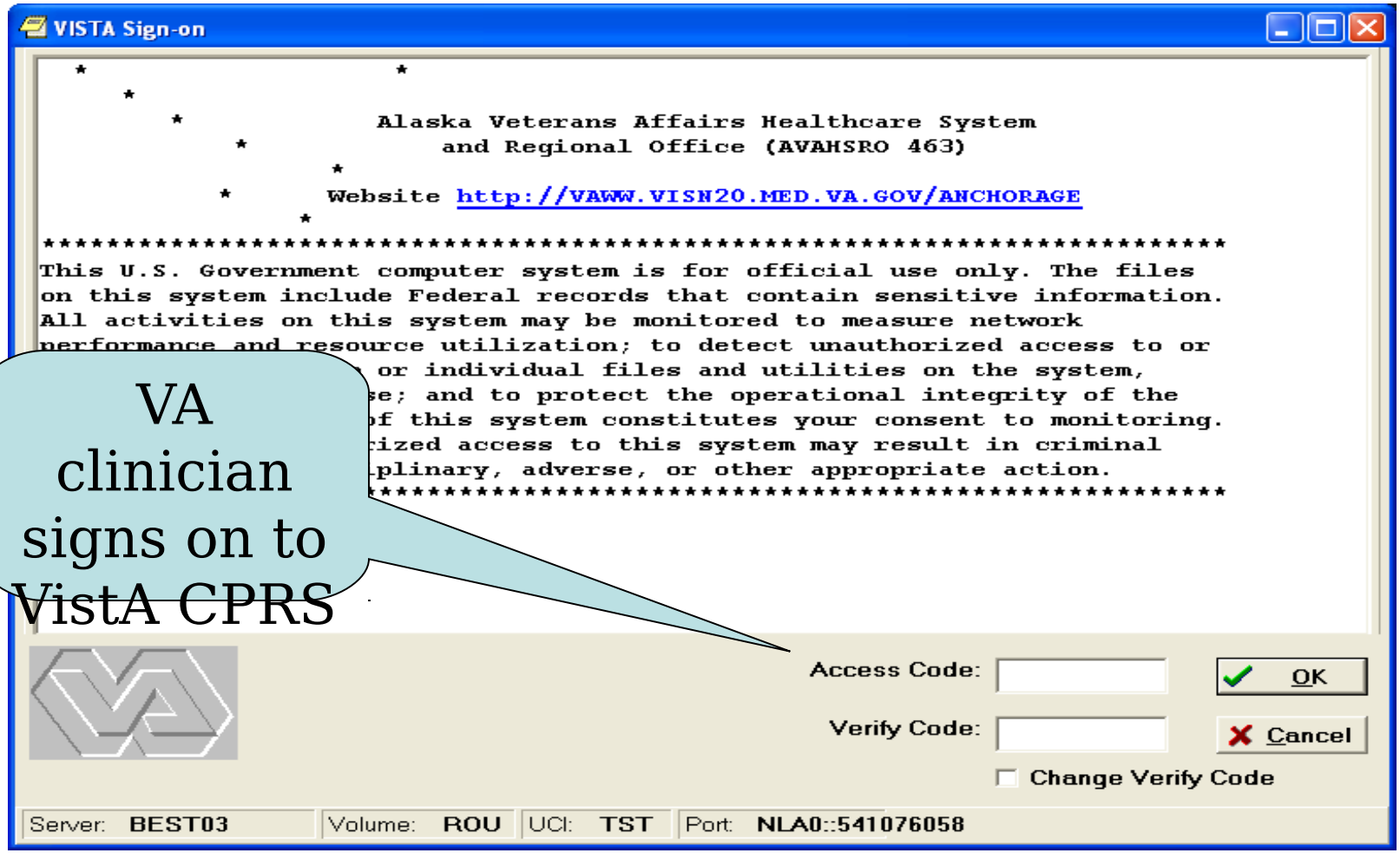
BHIE – DoD View



BHIE – DoD View

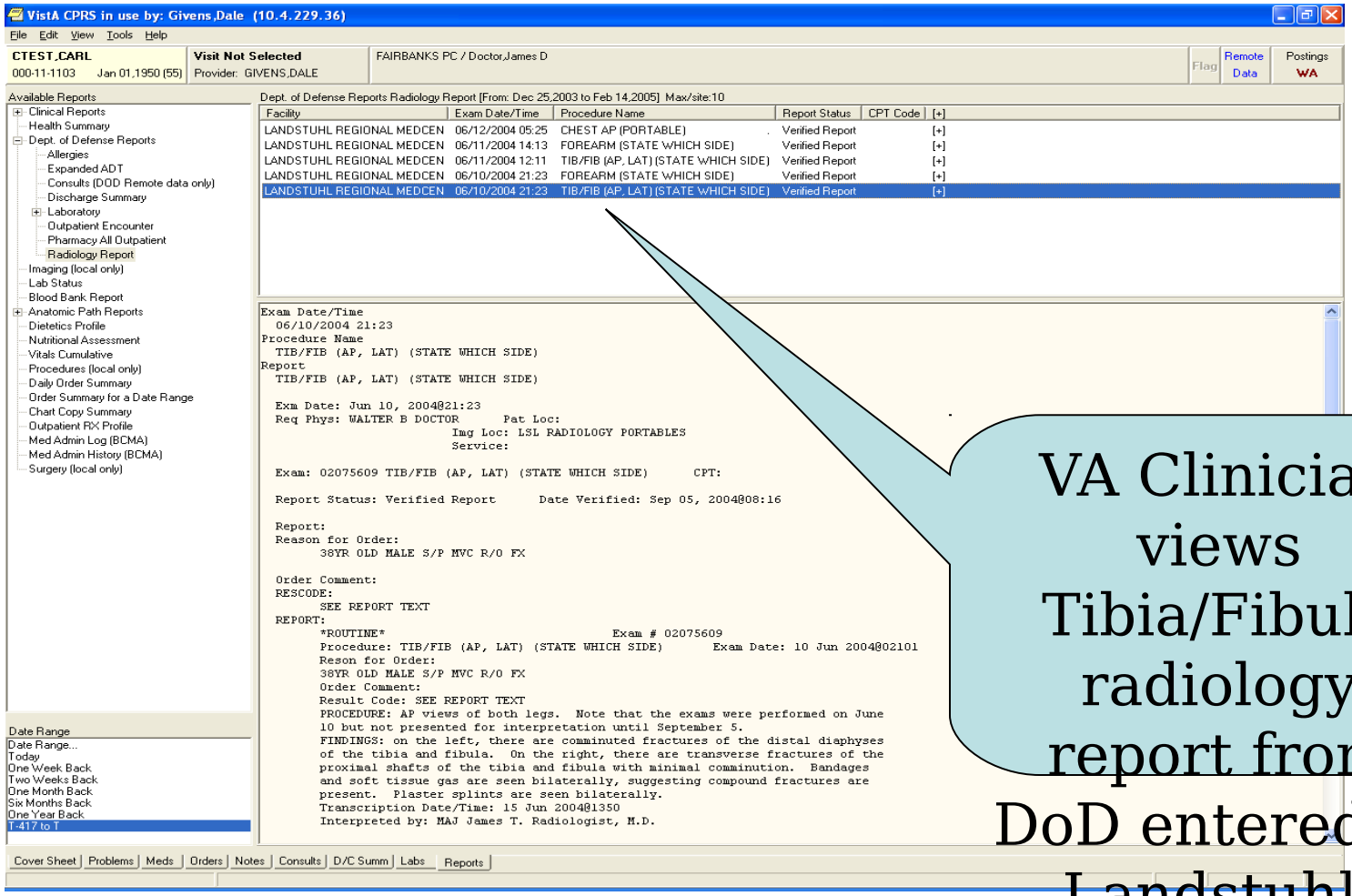


BHIE – VA View



VA clinician signs on to VistA CPRS

BHIE – VA View

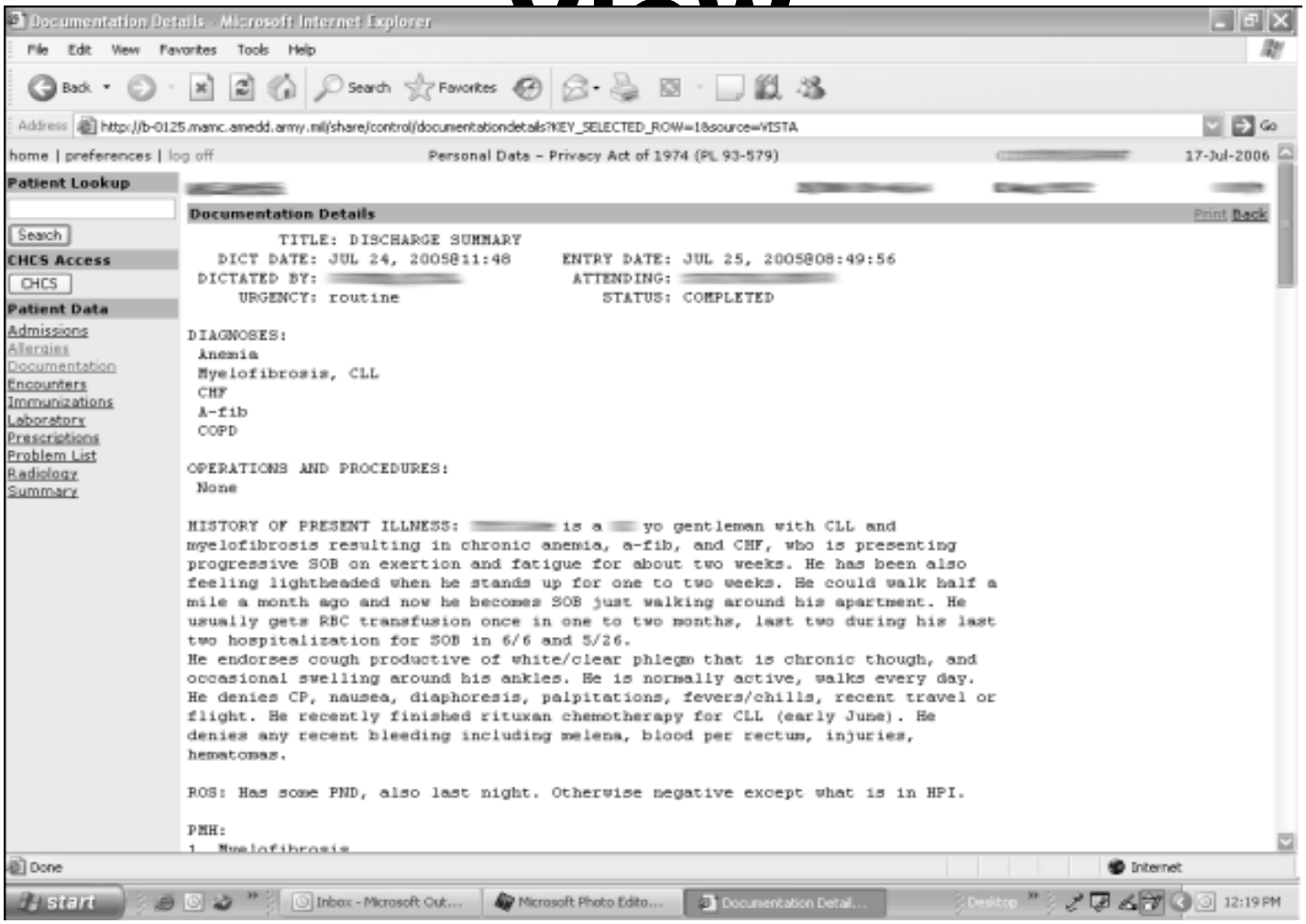


VA Clinician views Tibia/Fibula radiology report from DoD entered at Landstuhl

BHIE Enhancements

- Inpatient Document Sharing
  - Current: Discharge summaries
  - Future: Operative notes/ inpatient consultations
- Site-independent data pulled from CDR
  - Allergies, outpatient pharmacy, demographics, lab results, and radiology reports (3rd Quarter FY 2007)
  - Clinical notes, procedures, problems
  - Vital signs
  - Scanned/imported documents/images

Inpatient Documentation View



Clinical Data Repository/Health Data Repository (CHDR)

Supports interoperability between DoD's Clinical Data Repository (CDR) & VA's Health Data Repository (HDR)

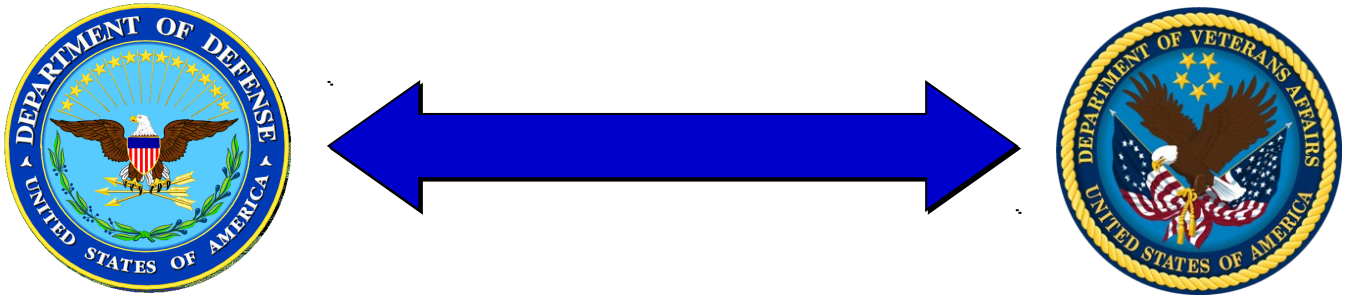
Two-way,
Enterprise exchange,
Computable data

CHDR Status

- Standardized, computable data
  - Outpatient Rx, medication allergies
  - Supports drug-drug and drug-allergy checks using data from both DoD and VA
- Operational at…
  - William Beaumont AMC and El Paso VA
  - Eisenhower AMC and Augusta VA
  - NH Pensacola and VA Gulf Coast
  - Madigan AMC and VA Puget Sound
  - NHC Great Lakes and North Chicago VA
  - NH San Diego and VA San Diego

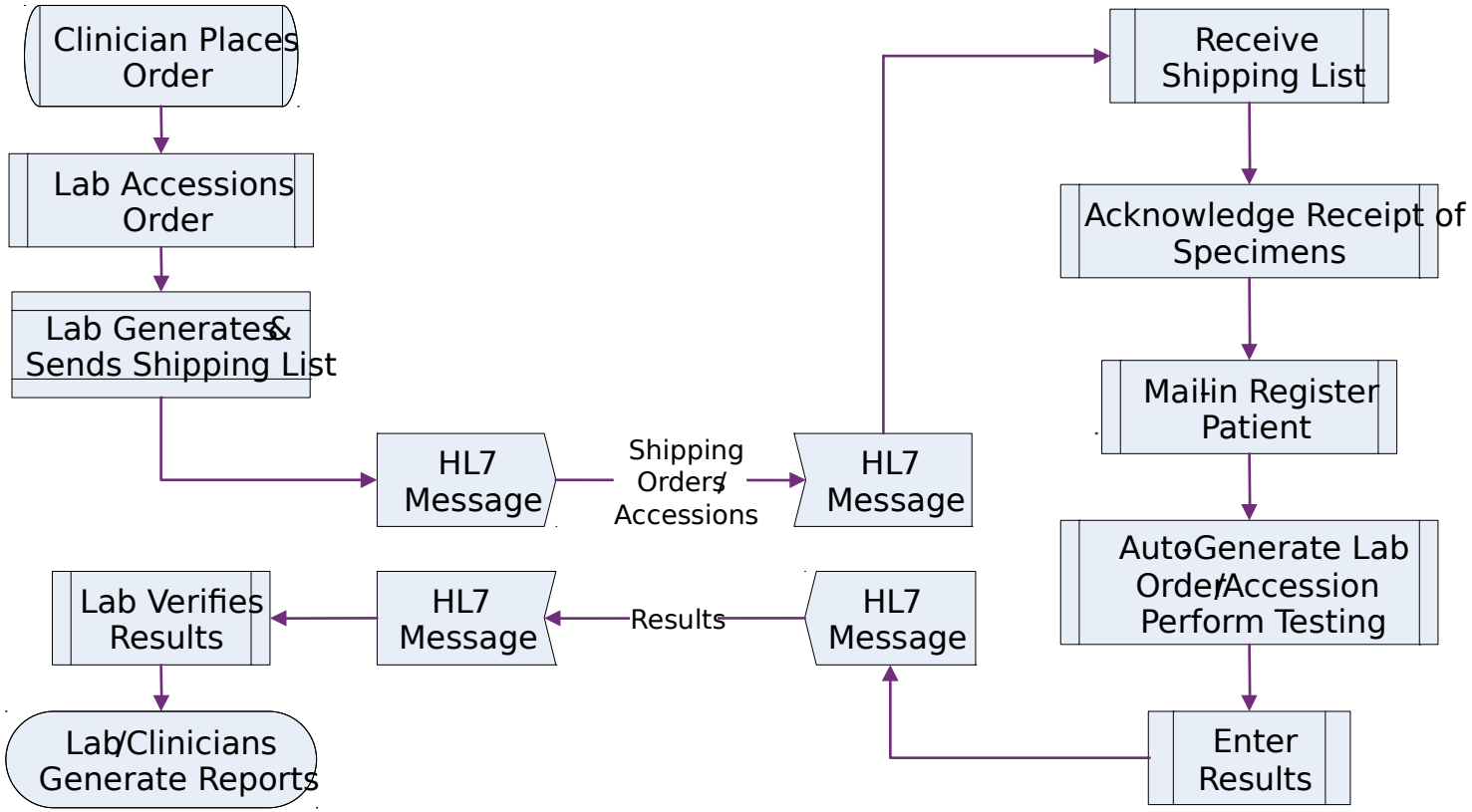
Laboratory Data Sharing Initiative (LDSI)

Supports bidirectional electronic order entry and results retrieval of chemistry laboratory tests with either DoD or VA acting as a reference lab for the other agency



LDSI Workflow Diagram

COLLECTION LABORATORY **REFERENCE LABORATORY**



LDSI Status

- Available for use throughout DoD and VA
- Used daily where one Department serves as a reference lab for the other
- Currently testing addition of lab anatomic pathology (AP) and microbiology orders and results

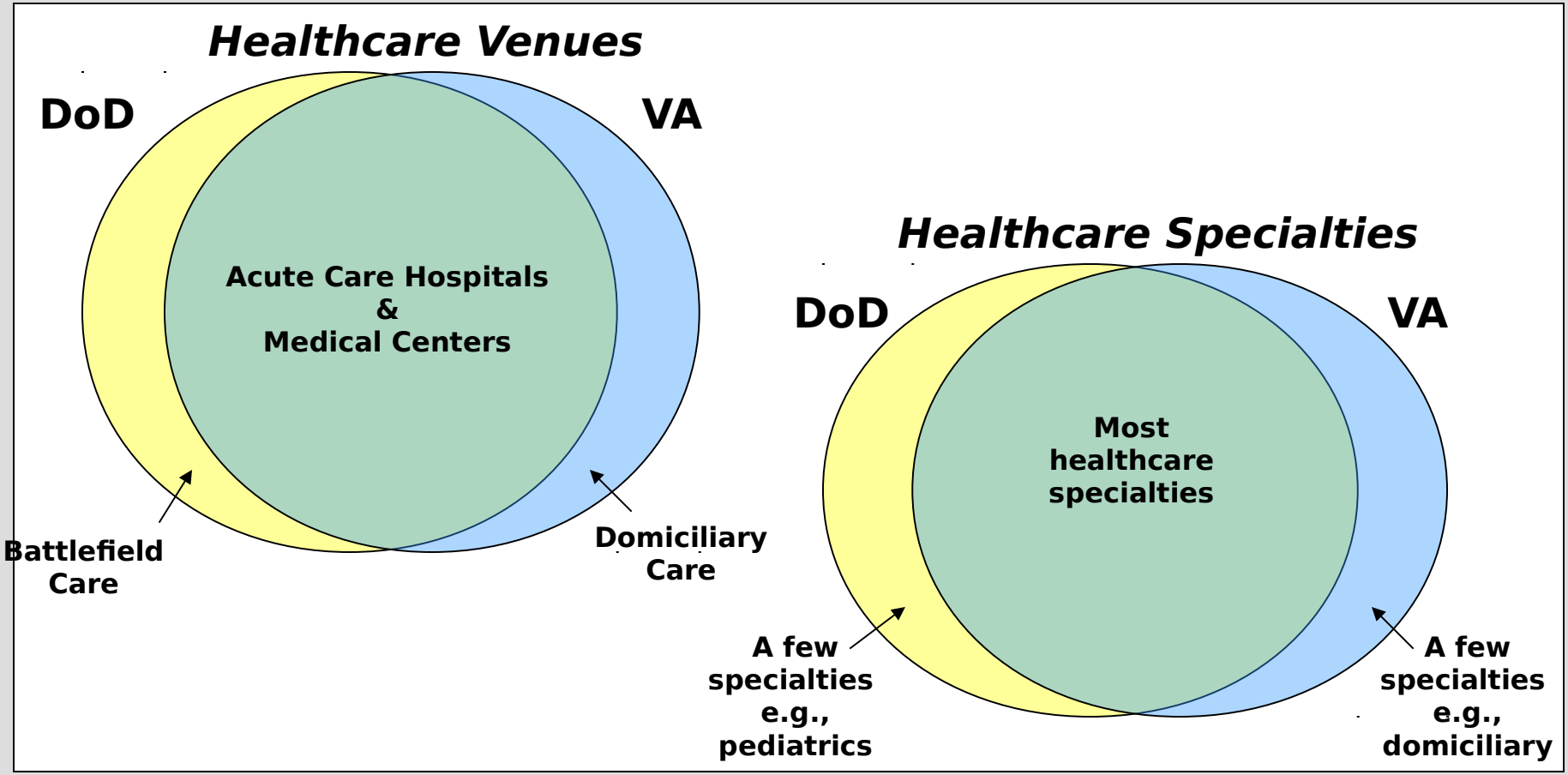
LDSI Operational Sites

Joint Inpatient Collaboration

- AHLTA, the DoD ambulatory electronic health record, is in place worldwide
- DoD is planning to enhance its inpatient automation capabilities by expanding its electronic health (EHR) record to include inpatient care
- Vista, the VA outpatient, ambulatory, and inpatient EHR, is deployed across all VA
- VA is planning to modernize its EHR, including the inpatient component
- Traditionally, DoD/VA IT sharing has been through systems interfaces
- Unique opportunity to explore a “born seamless” approach for an inpatient EHR

Joint Inpatient Collaboration

Most of DoD and VA inpatient healthcare is similar



Joint Inpatient Collaboration

- Medical records must follow the Service member through venues of care within DoD & between DoD and VA
- Joint approach to an inpatient electronic health record will better support the continuum of care

Discussion and Questions